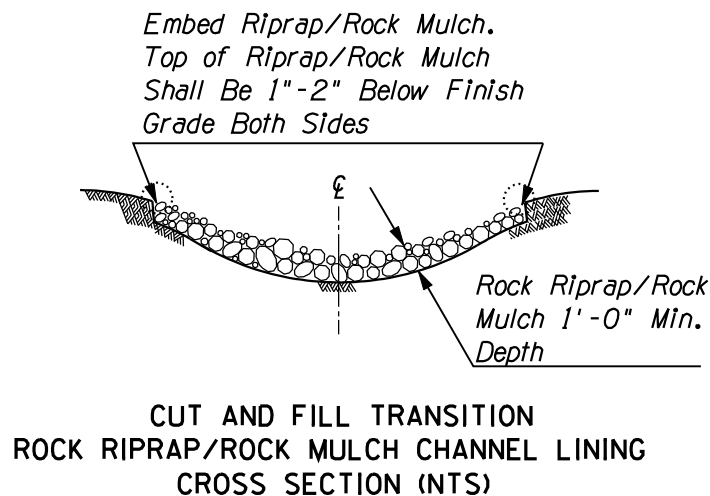
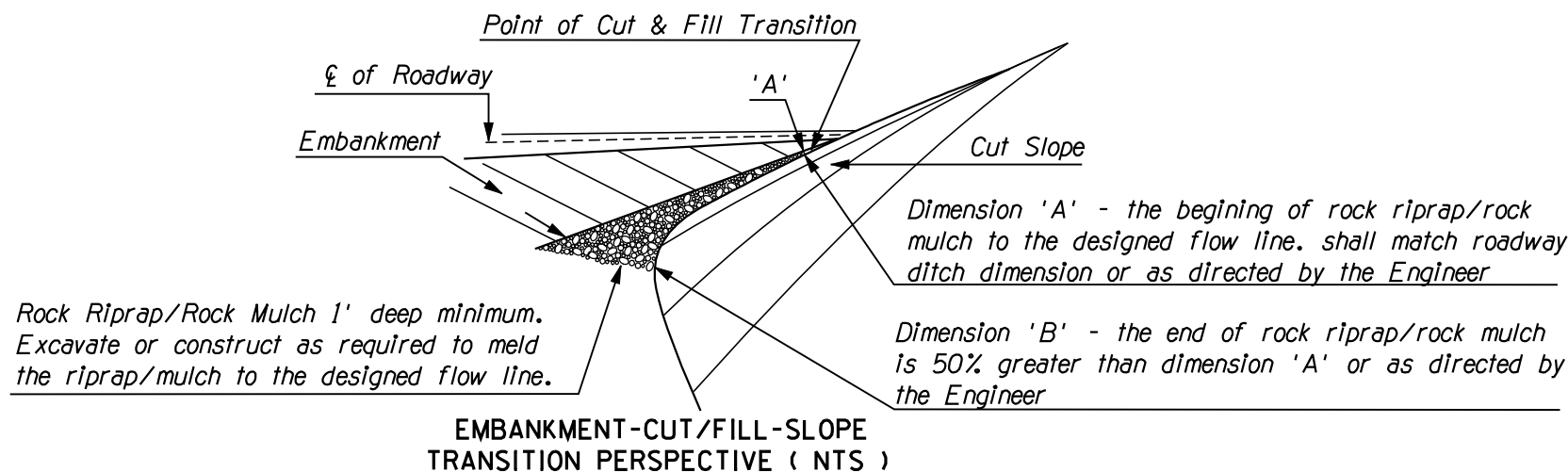
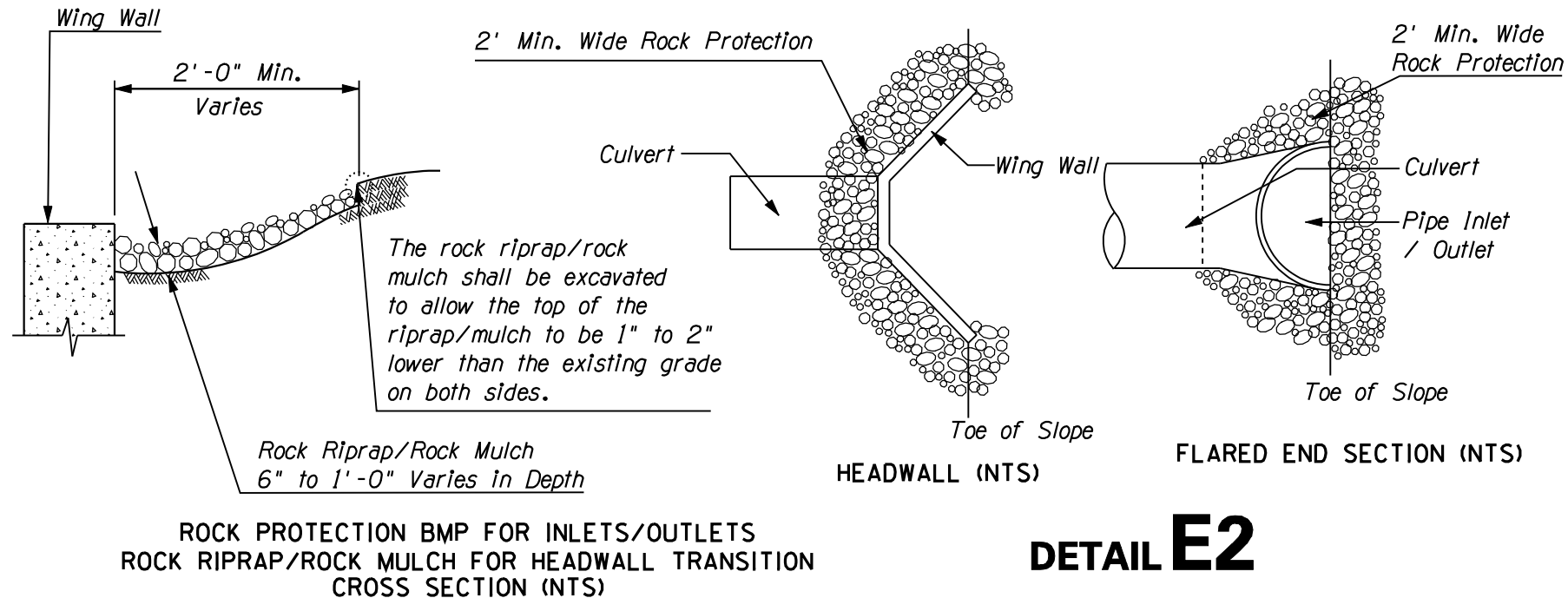


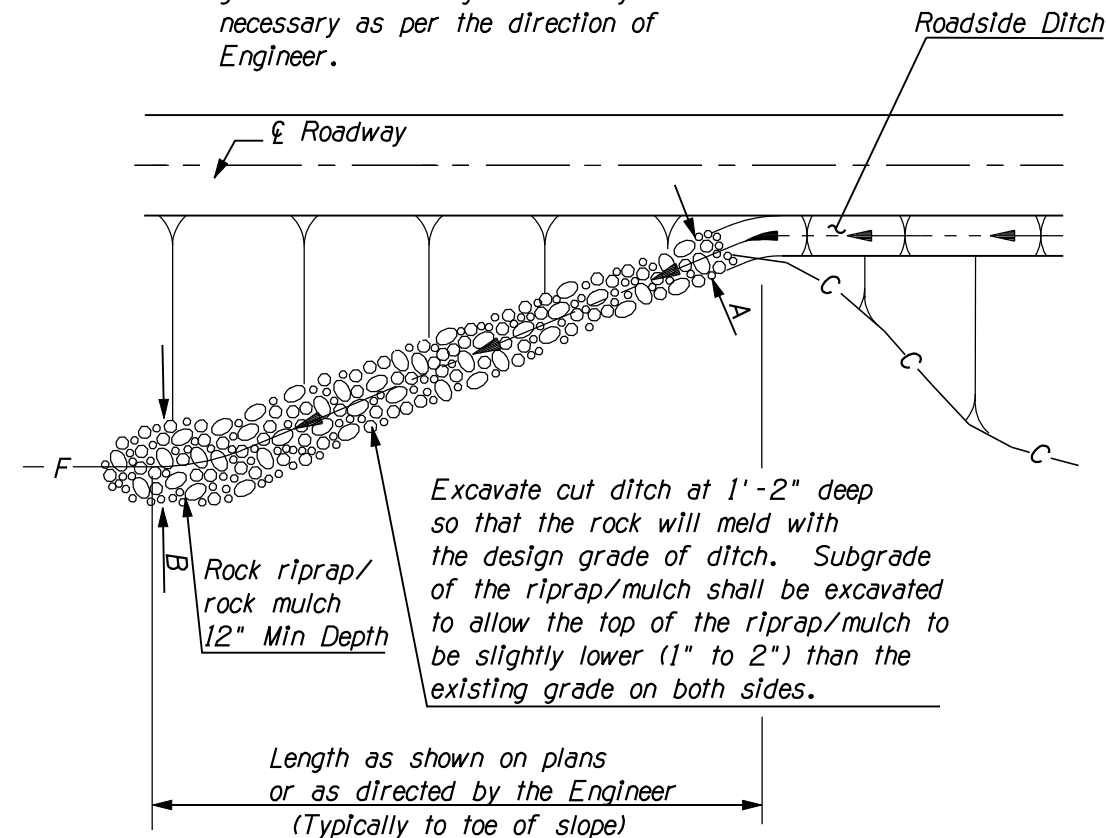
F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				



GENERAL NOTES FOR ROCK PROTECTION BMP DETAIL E2 & E3:
ROCK RIPRAP/ROCK MULCH IN THE CLEAR ZONE/RECOVERY AREA

1. Rock Riprap/Rock Mulch within the traffic Clear Zone/Recovery Area shall conform to the requirements of Section 810-2.03 Sieve Size Gradation A and/or Gradation C, and Section 913.
2. The minimum depth of the rock riprap/rock mulch shall be 12" for Channel Lining and Cut & Fill Transition. The ground surface shall be excavated to a depth that the rock will meld with the grade of the ditch.
3. Within traffic recovery area/clear zone, any rock size 4 inches or greater shall be imbedded into the finished grade so that any portion of the rock above the grade will be less than 4 inches in height.
4. The installation and maintenance of Rock Protection BMPs shall not negatively impact traffic safety, as well as the designed function of roadway or bridge drainage facilities. For erosion/sediment control purposes, Rock Protection BMPs shall be installed and maintained to carry the storm water of at least 2-year, 24-hour events.
5. The Rock Protection BMP's pay/bid item shall include all materials used for this BMP, all ground preparation, furnishing, installing, as well as returning the area to an acceptable condition as approved by the Engineer.

NOTE:
Cut and fill transition should be placed as shown on plans or where the length of the roadside ditch is 50 feet or greater. Field adjustment may be necessary as per the direction of Engineer.



DETAIL E3
ROCK PROTECTION BMP FOR CUT & FILL TRANSITION
ROCK RIPRAP/ROCK MULCH CHANNEL LINING

DESIGN	NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION ROADSIDE DEVELOPMENT SECTION
DESIGN	E LEROY BRADY	9-2007	
DRAWN	ZITAO FANG	9-2007	
CHECKED	E LEROY BRADY	9-2007	
TEAM LEADER	E LEROY BRADY	9-2007	
ROUTE	MP	LOCATION	
TRACS NO.			
			SHEET OF
			OF